

ABSTRACT

A plurality of single lenses (11a to 11d) form images of a subject in a plurality of imaging regions (17a to 17d), respectively, and electrical signals from the plurality of imaging regions are synthesized, whereby an image is
5 obtained. The plurality of single lenses are held by a lens holder (12), and the plurality of imaging regions are held by an imaging device holder (16). The lens holder and the imaging device holder are disposed so as to be opposed to each other. The lens holder includes a member different from a member of the imaging device holder, and a linear expansion coefficient of a
10 material of the lens holder is substantially equal to a linear expansion coefficient of a material of the imaging device holder. The materials of the lens holder and the imaging device holder are different from a material of the plurality of single lenses. Thereby, a high quality image can be obtained stably irrespective of a temperature change, and a distance to a subject can
15 be measured accurately.